

Agricultural Report

Connecticut Department of Agriculture
Dannel P. Malloy, Governor
Steven K. Reviczky, Commissioner



Wednesday, July 4, 2018

DYE STUDIES PROTECT CONNECTICUT SHELLFISH GROWING AREAS

Kristin Russo, Bureau of Aquaculture

In order to best classify shellfish growing areas and determine closure areas, the Department of Agriculture (DoAg)'s, Bureau of Aquaculture collaborates with the Food and Drug Administration (FDA) to conduct waste-water treatment plant hydrographic dye studies in Connecticut waters.

DoAg has performed several hydrographic dye studies on waste-water treatment plants along the shore to better classify shellfish growing areas.

During the second week of June, DoAg environmental analyst Kristin Russo had the opportunity to observe and participate in a waste-water treatment plant hydrographic dye study in Plymouth, MA.

Participation in the Plymouth study allowed DoAg staff to gain hands-on experience to better understand the study process for when the FDA returns to Connecticut to perform another hydrographic dye study at a plant in Connecticut.

During a hydrographic dye study of a waste-water treatment plant, dye is injected into the plant, then the effluent is tracked from the outflow of the plant into the surrounding water. This tool is essential for classifying shellfish growing areas and determining closure areas should the waste-water treatment plant have a disruption and release untreated or partially treated sewage.

The FDA has a team of engineers that travel to coastal states to perform these hydrographic dye studies alongside state environmental staff.

Prior to dye injection, the FDA gathers information about the waste-water treatment plant and its discharge zone. Some of the information gathered about the plant includes how often

treated effluent is discharged, level of treatment, distance the effluent must travel to the end of the discharge pipe, and how much effluent is discharged on average.

Engineers also perform a drogoue study and collect background readings of the area surrounding the discharge pipe—ultimately where the effluent will dissipate when released.

A drogoue study consists of releasing objects (in this case, oranges) near the outfall of the treatment plant and observing where the current/tide takes the drogoue. This can help engineers better predict where the dye will travel when it is released.

Taking background measurements allows the engineers to take accurate readings of the dye concentration when it is released, since each body of water typically has a different hue.

Background readings are taken using a field fluorometer, which is an instrument that measures the fluorescence of a liquid at a certain wavelength. Fluorometers were also used to measure the concentration of dye on tracking days, which are the first day the dye is injected at the plant and the subsequent three days.

Other fluorometers were anchored in oyster cages at 10 stations in the Plymouth harbor to test the concentration of dye at the bottom of the water column, where shellfish reside and would likely be accumulating any harmful microorganisms.

The fluorometer is attached to a field computer with a GIS program that draws tracks on a map based on the concentration of dye in the water, leaving the engineers with a real-time view of where the dye traveled and at what concentration.



*The dye setup at the waste-water treatment plant.
The blue barrel on the left is the rhodamine dye used to dye the effluent.
The pump on the left is used to continuously mix the dye in the barrel.
The pump on the right is used to consistently administer dye into the system.*

(continued on Page 3)

NORTHEAST EGGS/USDA

Per doz. Grade A and Grade A white in cartons to retailers (volume buyers)

	LOW	HIGH
XTRA LARGE	1.38	1.64
LARGE	1.32	1.46
MEDIUM	.72	.85

NEW ENGLAND SHELL EGGS

Per doz. Grade A brown in carton delivered store door. (Range)

	LOW	HIGH
XTRA LARGE	1.54	1.69
LARGE	1.49	1.65
MEDIUM	1.18	1.28
SMALL	.82	.92

LANCASTER, PA LIVESTOCK

Avg. Dressing. Per cwt. Unless noted

SLAUGHTER STEERS			
Hi Ch/Prime 3-4	109.50	113.00	
Choice 2-3	104.00	109.00	
Select 1-2	100.00	104.00	
SLAUGHTER HOLSTEINS			
Hi Ch/Prime 3-4	few	83.50	84.00
Choice 2-3	few	81.50	82.00
Select 1-2		72.50	79.00
SLAUGHTER HEIFERS			
Hi Ch/Prime 3-4	few	103.50	105.00
Choice 2-3	few	101.00	101.00
Select 1-2	few	99.00	101.00
SLAUGHTER COWS Avg. Dressing			
breakers 75-80% lean	62.00	67.50	
boners 80-85% lean	60.00	67.00	
lean 88-90% lean	52.00	59.00	
CALVES - Graded bull			
No 1 94-130 lbs	75.00	80.00	
SLAUGHTER LAMBS: Woolled & Shorn			
Markets: Choice and Prime 2-3			
90-110 lbs	205.00	220.00	
110-130 lbs	195.00	220.00	
SLAUGHTER EWES: Good 2-3			
80-120 lbs	70.00	105.00	
120-160 lbs	60.00	90.00	
160-200 lbs	60.00	75.00	
SLAUGHTER KIDS: Sel 1			
40-60 lbs	150.00	165.00	
60-80 lbs	155.00	185.00	
80-100 lbs	190.00	210.00	
SLAUGHTER NANNIES/DOES: Sel 1			
80-130 lbs	165.00	195.00	
130-180 lbs	190.00	235.00	
SLAUGHTER BUCKS/BILLIES: Sel 1			
100-150 lbs	245.00	260.00	
150-250 lbs	280.00	355.00	

NEW HOLLAND, PA. HOG AUCTION

Per cwt.

Slaughter Hogs			
52-56	200-300 lbs	61.00	67.00
	300-350 lbs	63.00	67.00
	350-400 lbs	58.00	60.00
48-52	200-300 lbs	50.00	54.00
	300-350 lbs	48.00	52.00
Sows, US 1-3			
	300-500 lbs	32.00	38.00
	500-700 lbs	31.00	39.50
Boars			
	400-800 lbs	5.00	7.00

WHOLESALE ORGANIC BROWN EGGS

Price per carton. July 2, 2018

DOZEN, XL	2.61	3.60
1/2 DOZEN, XL	1.80	1.95
DOZEN, L	2.30	3.50
1/2 DOZEN, L	1.71	1.90

WHOLESALE FRUITS & VEGETABLES

Boston Terminal and Wholesale Grower Prices CONNECTICUT AND NEW ENGLAND GROWN

	LOW	HIGH
ALFALFA SPROUTS, 5 LBS	14.00	15.00
APPLE,MAC,XFCY,TRYPK, 88	30.00	31.00
APPLE,MAC,XFCY,TRYPK, 100	24.00	24.00
APPLE,MAC,XFCY,TRYPK, 125	16.00	18.00
APPLE,MAC,XFCY,TRYPK 138	16.00	18.00
BEANS, RND GRN, MACH PK, BU	28.00	28.00
BEAN SPROUTS,10 LBS	6.00	7.00
BEAN SPROUTS, 12-12 OZ	12.00	15.00
BLUEBERRIES, 12-1 POINT	18.00	18.00
CIDER, 4-1 GALLON	22.00	22.00
CIDER, 9-1/2 GALLON	26.00	26.00
CORN, BAG, 5 DOZEN	20.00	20.00
PARSNIPS, 20 LB LOOSE, MED	25.00	25.00
PARSNIPS, 18-1 LB, MEDIUM	23.00	25.00
RHUBARB, OPNFIELD, 20 LB	35.00	36.00
SQUASH, YLWSTRNCK,1/2 BU,M	10.00	10.00
SQUASH, ZCH, 1/2 BU, M	10.00	10.00
STRAWBS, 8-1 QT, SM-MED	35.00	35.00
TOMS, GHS, 11 LBS,VINERIPE	15.00	15.00
TOMS, GHS, 10 LBS,HEIRLOOM	23.00	23.00

BOSTON SHIPPED IN

Price Range. Per unit.

BEANS, POLE, NJ, BU	36.00	38.00
BEETS, RED, NJ, 12 BN/CRATE	17.00	20.00
BEETS, GOLD, NJ, 12 BN/ CRATE	30.00	32.00
BOK CHOY, NJ, 1.6 BU CARTON	10.00	12.00
BOKCHOY,BBY SHNGHAI,NJ,1.35	22.00	24.00
BRUSSELS SPROUTS, 12- 9 OZ	28.00	28.00
CABBAGE,GRN,NJ,50 LB, M	14.00	18.00
CABBAGE,RED,NJ, 50 LB,M/L	18.00	24.00
CABBAGE,SAVOY,NJ,40 LB,M/L	18.00	20.00
CHRRY,RDSWEET,WA,18LB,9-1/2	42.00	53.00
CHINESE CABBAGE, NJ,1.3 BU,12/17.00	22.00	22.00
COLLARDS, NJ, 12 BNCH/CTN	13.00	14.00
CUKES, NJ, 1-1/9, M	18.00	26.00
CUKE,PICKLER, NJ, BU, M-L	32.00	38.00
EGGPLANT, WRAP, NJ, 1-1/9, M	12.00	16.00
ENDIVE, NJ, 1.3 BU, 24	15.00	18.00
ESCAROLE, NJ, 1.3 BU, 24	16.00	18.00
GRAPES,SGRONE,CA,#1,18LB,L	30.00	34.00
KALE, NJ, 12 BN/ CRATE	13.00	14.00
KALE, LACINITO, 12 BN/CRATE	13.00	18.00
KOHLRABI, NJ, 12 BN,/CTN	18.00	20.00
LEEK, NJ, 12 BNCHS/CTN	20.00	25.00
LETT, NJ, GRNLF, 24	13.00	14.00
LETT, GHS BOSTON, CD, 24-4OZ	16.00	17.00
LETT, REDLF, NJ, 24/CARTON	14.00	15.00
LETT, NJ, ROMAINE, 24	17.00	21.00
MACHE, GHS, PA, 3 LBS	12.00	13.00
MESCLIN MIX, CA, 3 LBS	6.00	7.00
OPO (LONG SQUASH), CA, 40 LB	42.00	49.00
PARSLEY, PLAIN, NJ,60BN/1-1/4	24.00	25.00
PARSLEY, CURLY, NJ,60BN/1-1/4	20.00	23.00
PEACH,YLW,SC,3"UP,1/2 BU	26.00	26.00
PEPPERS, GRN, GA, 1-1/9, JMBO	22.00	24.00
PEPPER, JALEP, NJ, 1-1/9, M-L	24.00	26.00
PEPPER, JALEP, NJ, 1/2BU, M	14.00	16.00
PEPPR,LNGHOT,NJ,GREEN,1-1/9	18.00	20.00
PEPPER, POBLANO, NJ, 1-1/9	20.00	22.00
RADISHES, NJ, 24 BN/CRATE	14.00	18.00
SPINACH, BABY, CA, 4LBS	9.00	11.00
SPINACH, FLAT, NJ, 24	12.00	14.00
SPINACH, SAVOY, CA, 24	20.00	24.00
SQUASH, YEL, NJ,1/2 BU, S	14.00	16.00
SQUASH, ZUC, NJ,1/2 BU, M	12.00	14.00
SWISS CHARD, MX CLR, NJ, 12	16.00	18.00

MIDDLESEX LIVESTOCK AUCTION

Middlefield, CT - July 2, 2018

	LOW	HIGH
Bob Calves:		
45-60 lbs.	15.00	20.00
61-75 lbs.	25.00	30.00
76-90 lbs.	32.00	36.00
91-105 lbs.	35.00	40.00
106 lbs. & up	42.00	45.00
Farm Calves	55.00	57.50
Starter Calves	20.00	22.00
Veal Calves	n/a	n/a
Feeder Heifers	57.50	65.00
Beef Heifers	65.00	68.00
Feeder Steers	100.00	135.00
Beef Steers	86.00	117.00
Feeder Bulls	100.00	135.00
Beef Bulls	84.00	86.00
Replacement Cows	n/a	n/a
Replacement Heifers	n/a	n/a
Boars	n/a	n/a
Sows	37.50	40.00
Butcher Hogs each	n/a	n/a
Feeder Pigs each	n/a	n/a
Sheep each	95.00	127.50
Lambs each	170.00	300.00
Goats each	75.00	300.00
Kid Goats each	57.50	140.00
Canners	up to	64.00
Cutters	65.00	68.00
Utility Grade Cows	69.00	71.00
Rabbits each	5.00	29.00
Chickens each	5.00	20.00
Ducks each	3.50	6.50

BOSTON MARKET CUT FLOWERS

Wholesale price. \$/unit listed.

CORNFLWR,NENG,10, L	7.50	7.50
GERBERA,CD, EA, L	1.00	1.35
GLADS, CA, 10/BN, L	15.00	15.00
HYDRNGEA, NL, 5/BN, L35.00	35.00	35.00
LAVENDER, EC, /BN, L	12.00	12.00
PEONY,NJ, 10/BN,L	25.00	35.00
PEONY,NENG, /STM,L	3.50	4.95
QU AN LACE, CA,/BN,L	8.50	10.00
SNAPDRGN,NENG,10,L	13.50	13.50
SUNFLWR, NJ, 5/BN, L	6.50	7.50
SUNFLWR,CA, 10/BN, L	12.50	12.50
SUNFLWR, NENG, EA, L	1.00	1.00

USDA RETAIL ORGANIC

YOUNG CHICKEN

Prices from 6/29 to 7/7/2018. \$/lb.

FRYER, WHOLE	4.48	4.48
BNLS BREAST	7.72	7.72
BREAST TENDERS	8.15	8.15
SPLIT, B/I BREAST	4.79	4.79
LEGS	N/A	N/A
THIGHS	3.70	3.70
DRUMSTICKS	3.58	3.58
WHOLE WINGS	N/A	N/A
BNLS/SKNLS THIGHS	2.15	2.15

N.E. RETAIL DAIRY PRODUCTS

June 29, 2018. Per unit.

BUTTER, 1 LB	2.50	3.50
CHEESE, NAT VAR, 8 OZ	.99	3.50
CHEESE, NAT VAR, 1 LB	2.99	5.99
CHEESE, SHRED, 8 OZ	.99	3.00
CHEESE, SHRED, 1 LB	3.99	5.99
COTTAGE CHEESE, 16 OZ	1.66	2.99
CREAM CHEESE, 8 OZ	1.25	2.69
ICE CREAM, 48-64 OZ	1.88	3.50
MILK,ALL FAT TESTS, GAL	5.49	5.49
SOUR CREAM, 16 OZ	1.49	2.00

(continued from Page 1)

With all of this information, engineers can create a model of where the effluent will travel and concentration of effluent in the harbor and surrounding waters after a period of time, allowing environmental analysts to classify shellfish growing areas and determine closure areas.



Dye is injected through the tubing on the right and mixed with the effluent.



Tracking the dye released from the outfall pipe using a fluorometer. The fluorometer is attached to the orange float and is being dragged by the boat approximately six inches below the surface of the water.

FSMA FOR WHOLESALE PRODUCE BUYERS MEETING

DoAg will partner with the UConn Extension to host a free educational meeting for wholesale buyers of fresh produce from Connecticut farms to be held at the Rome Commons Ballroom, 626 Gilbert Road Extension, Storrs, CT on July 17, 2018 from 9:00 a.m. to 12:00 p.m.

This meeting, which is intended for, but not limited to, produce buyers, supply chain managers and/or food safety or quality assurance personnel from distributors, grocery stores, restaurants, schools, institutions, foodservice management companies, and farmers, will be regional in scope, and include buyers from Massachusetts, Connecticut, and Rhode Island.

The agenda for this event includes the following:

- FSMA Explained - Focus on the PSR related aspects of the Preventive Controls for Human Foods Rule
- State focused inspection and compliance programs
- Panel discussion - Buyers from a variety of operations will discuss how they address produce safety with their locally sourced fruits and vegetables

(continued on Page 4)

ADVERTISEMENTS

FOR SALE

1-R. Blumenthal & Donahue is now Connecticut's first independent NATIONWIDE Agri-Business Insurance Agency. Christmas tree growers, beekeepers, sheep breeders, organic farmers and all others, call us for all your insurance needs. 800-554-8049 or www.bludon.com

2-R. Farm, homeowner and commercial insurance—we do it all. Call Blumenthal & Donahue 800-554-8049 or www.bludon.com

3-R. Gallagher electric fencing for farms, horses, deer control, gardens, & beehives. Sonpal's Power Fence 860-491-2290.

4-R. Packaging for egg sales. New egg cartons, flats, egg cases, 30 doz and 15 doz. Polinsky Farm 860-376-2227.

5-R. Nationwide Agribusiness Insurance Program, endorsed by the CT Farm Bureau, save up to 23% on your farm insurance and get better protection. References available from satisfied farmers. Call Marci today at 203-444-6553.

29-R. Round hay bales. Large. Unwrapped. 1st cutting. Fertilized grass hay. \$40.00 a bale and up. 203-264-2217.

49-R. Dahlia tubers – exhibiting/cut varieties. \$6 each. For more information about purchasing and varieties email info@strongfarm.org.

51-R. For sale: Parts for Grimm Hay Tedders. Also, rough lumber. 860-684-3458.

53-R. 32 acres of rugged timbered land. 10 acres of upland. Remainder is wet land with trout stream. Has deer, turkeys, and small animals. ½ mile (+ or -) from road. Asking \$75,000. 860-889-6568.

54-R. Goat farm out of business – Hanover, CT. All 1 year old equipment. 64 gallon refrigerated bulk tank, bucket milker, 1 HP vacuum pump, goat stands, and headlocks. Call Tracy at 860-608-6219.

55-R. For Sale: Hay. \$3.00 per bale. 860-978-5200.

56-R. 6 year old boar, excellent manners. Good breeder, trailer loads easily. Must be seen to appreciate. Yorkshire, Landrace, and Heritage. Call for more information. 860-668-2181.

WANTED

7-R. Livestock wanted: Dairy cattle, heifers of any age, beef cows, bulls, steers, feeder cattle, veal, groups of sheep and goats. RyanM01@comcast.net or 860-655-0958. If no answer, leave message. All calls returned.

42-R. Interested in purchasing a farm or land in Middlesex or New London County. Call 516-801-0888.

MISCELLANEOUS

6-R. Farm/Land specializing in land, farms, and all types of Real Estate. Established Broker with a lifetime of agricultural experience and 40 years of finance. Representing both Buyers and Sellers. Call Clint Charter of Wallace-Tetreault Realty (860) 644-5667.

57. The Ct Hop Growers' Association quarterly meeting and CAES Summer Hops Seminar will be held at the CT Agricultural Experiment Station, 153 Cook Hill Road, East Windsor, CT on July 14th from 11am – 5pm. The Summer Hops Seminar will count for 3.5 pesticide credits. Please visit www.cthopgrowers.org for the full agenda.

(continued from Page 3)

The deadline for registration is July 10, 2018. Register for the event is by email to rsvp@uconn.edu. Include the name of each participant, operation/organization name, email address, and phone number in your registration email. Also include if you have any dietary restrictions, or require any special accommodations to participate fully in this event.

For additional information about the event call Diane Hirsch at 203-407-3163 or email diane.hirsch@uconn.edu.

CT HOP GROWERS' ASSOCIATION SUMMER SEMINAR

The CT Hop Growers' Association Quarterly Meeting and Connecticut Agriculture Experimental Station (CAES)'s Summer Hops Seminar will be held at the CAES Valley Laboratory, 153 Cook Hill Road, Windsor, CT on July 14, 2018 from 11:00 a.m.-5:00 p.m. Seminar talks will include the following:

- Nathan L' Etoile, Four Star Farms - Drying and storing hops at the commercial level.
- Katie Yuhas, DoAg - Updates on FSMA for farms in general and hop growers.
- Dr. James LaMondia, CAES - IPM Hops, Downey and Powdery Mildew updates.
- Alex DeFrancesco, DeFrancesco Farms - "Terrior"- Looking at research from New England and Pacific Northwest.

The Summer Hops Seminar will also include a tour and demonstration of the CAES Windsor hopyard, and a tour of the

Thrall Family Farm malt facility. The seminar will count for 3.5 pesticide credits. For more information visit www.cthopgrowers.org.



DoAg Commissioner Steven K. Reviczky and USDA Rural Development Tri-State Director George E. Krivda, Jr., toured the Thrall Farm malting facilities in Windsor, CT, on Monday, June 25, 2018. Spencer Thrall described his farm's growing, malting, and flaking of grains for the rapidly growing brewing and distilling industry in Connecticut.

Advertising Rates: Fifteen or fewer words: \$3.75 per insertion. More than 15 words: 25 cents per word per insertion. Ads must be related to agriculture in Connecticut and are accepted on a first-come, first-served basis. Payment must be received by noon on Friday before publication the following Wednesday. Make check or money order payable to the Connecticut Dept. of Agriculture, and mail copy and remittance to the department at 450 Columbus Blvd., Suite 701, Hartford, CT 06103. For more information contact Jane.Murdock@ct.gov or call 860-713-2588.

POSTMASTER: Send address changes to the Connecticut Department of Agriculture, 450 Columbus Blvd., Suite 701, Hartford, CT 06103.

Print subscriptions expire Dec. 31, 2019.

CONNECTICUT DEPARTMENT OF AGRICULTURE
www.CTGrown.gov
860-713-2500

- | | |
|--|------------------------------------|
| Commissioner
steven.reviczky@ct.gov | Steven K. Reviczky
860-713-2501 |
| Agricultural Development and Resource Conservation
linda.piotrowicz@ct.gov | Linda Piotrowicz
860-713-2503 |
| Regional Market
linda.piotrowicz@ct.gov | Linda Piotrowicz
860-566-3699 |
| Regulatory Services
bruce.sherman@ct.gov | Dr. Bruce Sherman
860-713-2504 |
| State Veterinarian
mary.lis@ct.gov | Dr. Mary J. Lis
860-713-2505 |
| Aquaculture
david.carey@ct.gov | David Carey
203-874-2855 |

**VOL. XCVIII
No. 26
July 4, 2018**